



Fowlkes4B.ST25.txt  
SEQUENCE LISTING

<110> FOWLKES, Dana M.  
KAY, Brian K.  
FRELINGER, Jeffrey A.  
HYDE-DERUYSCHE, Robin P

<120> USE OF COMPLEMENTARY COMBINATORIAL LIBRARIES IN SCREENING FOR  
DRUGS

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<140> 09/050,359  
<141> 1998-03-31

<150> PCT/US97/19638  
<151> 1997-10-31

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<170> PatentIn version 3.2

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 1 5 10

&lt;210&gt; 44

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; MDM2-binding peptide from library

&lt;400&gt; 44

Pro Phe His Ser Trp Trp Gln Asp Leu Thr Asp  
 1 5 10

&lt;210&gt; 45

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; MDM2-binding peptide from library

&lt;400&gt; 45

Asn Phe Trp Asp Glu Trp Gln Thr Phe Met Asp  
 1 5 10

&lt;210&gt; 46

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; MDM2-binding peptide from library

&lt;400&gt; 46

Ser Phe Thr Asp Tyr Trp Arg Asp Leu Glu Gln  
 1 5 10

&lt;210&gt; 47

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

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Asn Asp Ile Leu  
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<400> 51

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<211> 12

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<400> 52

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<211> 12

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<400> 53

Pro Met Arg Thr Glu Trp Ala Val Gly Ser Glu Ser  
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Fowlkes4B.ST25.txt

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&lt;210&gt; 68

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; TyrRS-binding peptide from library

&lt;400&gt; 68

Phe Gly Phe Tyr Gly Trp Pro Asp Asp Gln Tyr  
 1 5 10

&lt;210&gt; 69

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; TyrRS-binding peptide from library

&lt;400&gt; 69

Met Tyr Thr Trp Pro Gly Ser Pro Tyr Leu Gln Met  
 1 5 10

&lt;210&gt; 70

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; TyrRS-binding peptide from library

&lt;400&gt; 70

Met Tyr Ser Trp Pro Gly Glu His Tyr Thr Val His  
 1 5 10

&lt;210&gt; 71

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; TyrRS-binding peptide from library

&lt;400&gt; 71

Met Tyr Ala Trp Pro Asp Ser Ser Glu Leu Glu Lys  
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&lt;210&gt; 72

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial



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Asp Arg Val Tyr Gly Trp Pro Pro Phe Glu Glu  
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<223> TyrRS-binding peptide from library

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Ala Tyr His Trp Pro Trp Val Glu Ser Glu Trp  
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<212> PRT

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<220>

<223> TyrRS-binding peptide from library

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Gly Tyr Ser Trp Pro Trp Pro Asp Asp Asn Ala Ser Arg  
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Gln Tyr Thr Trp Pro Trp Pro  
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Asp Arg Gly Trp Trp Trp Pro Ser Trp Gly Val Ser Arg  
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Arg Leu Gln Tyr Trp Trp Pro Asp Trp Gly Pro  
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 <211> 11  
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Met Tyr Trp Trp Pro Asn Trp Gly Ser Gln Glu  
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 <211> 11  
 <212> PRT  
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<220>  
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<400> 91

Trp Leu Asp Gly Leu Pro Leu Tyr His Glu Val  
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1              5              10

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<220>
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<223>  Xaa can be any naturally occurring amino acid

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<220>
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Tyr Trp Trp Pro Asp Trp Gly
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<220>
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<212>  PRT

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<213> Artificial

<220>

<223> beta-glucosidase binding peptide from library

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<210> 97

<211> 15

<212> PRT

<213> Artificial

<220>

<223> beta-glucosidase binding peptide from library

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Ser Ser Ala Thr Asp Trp Gly Arg Val Tyr Ser Ile Leu Ser Arg  
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<211> 15

<212> PRT

<213> Artificial

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<223> beta-glucosidase binding peptide from library

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<211> 15

<212> PRT

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<211> 15

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<213> Artificial

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<220>  
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Ser Ser Glu Pro Phe Ser Val Trp Pro Ile Tyr Lys His Ser Arg  
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<220>  
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Ser Ser Ser Val Pro Phe Ala Pro Trp Pro Val Tyr Ala Ser Arg  
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<220>  
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Fowlkes4B.ST25.txt

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1 5 10

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Fowlkes4B.ST25.txt

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Gly Tyr Gln Pro Glu His Ile Asp Ser Phe Thr His Glu Ala Cys Pro  
20 25 30

Val Arg Ala Leu Leu Ala Ser Trp Ala Thr Gln Asp Ser Ala Thr Leu  
35 40 45

Asp Ala Leu Leu Ala Ala Leu Arg Arg Ile Gln Arg Ala Asp Leu Val  
50 55 60

Glu Ser Leu Cys Ser Glu Ser Thr Ala Thr Ser Pro Val  
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Fowlkes4B.ST25.txt

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Gly Val Asn Glu Ala Lys Ile Asp Glu Ile Lys Asn Asp Asn Val Gln  
20 25 30

Asp Thr Ala Glu Gln Lys Val Gln Leu Leu Arg Asn Trp His Gln Leu  
35 40 45

His Gly Lys Lys Glu Ala Tyr Asp Thr Leu Ile Lys Asp Leu Lys Lys  
50 55 60

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Asp Ile Thr Ser

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20 25 30

Cys Leu Arg Glu Ala Gln Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg  
35 40 45

Thr Arg Arg Glu Ala Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp  
50 55 60

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Pro Pro Leu Pro

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<211> 5

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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2)..(3)

&lt;223&gt; Xaa can be any naturally occurring amino acid

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Leu Xaa Xaa Leu Leu  
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&lt;210&gt; 122

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; estrogen receptor binding peptide from library

&lt;400&gt; 122

Ser Arg Thr Trp Glu Ser Pro Leu Gly Thr Trp Glu Trp Ser Arg  
1 5 10 15

&lt;210&gt; 123

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; estrogen receptor binding peptide from library

&lt;400&gt; 123

Ser Ser Lys Tyr Ser Tyr Ser Arg Ser Ser Glu Gly His Ser Arg  
1 5 10 15

&lt;210&gt; 124

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; estrogen receptor binding peptide from library

&lt;400&gt; 124

Ser Ser Trp Val Arg Leu Ser Asp Phe Pro Trp Gly Val Ser Arg  
1 5 10 15

&lt;210&gt; 125

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; estrogen receptor binding peptide from library

&lt;400&gt; 125

Ser Ser Trp Asp Arg Leu Ser Asp Phe Pro Trp Gly Val Ser Arg

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1                5                10                15

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<211> 14
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Fowlkes4B.ST25.txt

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Fowlkes4B.ST25.txt

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&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; consensus sequence for human MDM2 binding peptide

&lt;400&gt; 171

Ser Phe Thr Asp Tyr Trp Arg Asp Leu Glu Gln  
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&lt;210&gt; 172

&lt;211&gt; 7

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&lt;213&gt; Artificial

&lt;220&gt;

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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (5)..(5)

&lt;223&gt; Xaa is Asp, Glu, Ser or Asn

&lt;400&gt; 172

Xaa Trp Trp Pro Xaa Trp Gly  
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&lt;210&gt; 173

&lt;211&gt; 7

&lt;212&gt; PRT

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&lt;223&gt; These amino acids are optional

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (6)..(6)

&lt;223&gt; Xaa is Ile or Val

&lt;400&gt; 173

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